

## INTERNATIONAL SEARCH REPORT

International Application No  
PCT/GB2004/002182

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 G01R33/44

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 G01R

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC, COMPENDEX

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 206 592 A (MILLER JOEL B ET AL) 27 April 1993 (1993-04-27) column 3, line 36 -column 5, line 39; figure 1	1-5,7-12
Y	---	6
X	WO 99/45409 A (BTG INT LTD ;ROWE MICHAEL DAVID (GB); SMITH JOHN ALEC SYDNEY (GB)) 10 September 1999 (1999-09-10) page 2, line 15 -page 9, line 16 page 23, line 18 -page 24, line 23 page 26, line 11 -page 27, line 27 page 28, line 21 -page 28, line 28 page 30, line 5 -page 32, line 11; figure 6 ---	1-5,7-12

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

\* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the International filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the International filing date but later than the priority date claimed

\*T\* later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

\*&\* document member of the same patent family

Date of the actual completion of the International search

Date of mailing of the International search report

13 August 2004

25/08/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patenttaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax (+31-70) 340-3016

Authorized officer

Lersch, W

## INTERNATIONAL SEARCH REPORT

International Application No  
PCT/GB2004/002182

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P, X	EP 1 416 291 A (ANALOGIC CORP) 6 May 2004 (2004-05-06) paragraphs '0035!, '0038!, '0051!, '0059!, '0065!, '0069!, '0070!; figure 2 ---	1-4, 7
A	US 6 486 838 B1 (ROWE MICHAEL DAVID ET AL) 26 November 2002 (2002-11-26) figures 1,3,5 ---	1, 5
A	TROPP J ET AL: "A DUAL-TUNED PROBE AND MULTIBAND RECEIVER FRONT END FOR X-NUCLEOUS SPECTROSCOPY WITH PROTON SCOUT IMAGING IN VIVO*" MAGNETIC RESONANCE IN MEDICINE, ACADEMIC PRESS, DULUTH, MN, US, vol. 11, no. 3, 1 September 1989 (1989-09-01), pages 405-412, XP000072987 ISSN: 0740-3194 see pages 406, 408, 409 ---	1, 5
A	US 2002/011842 A1 (FIAT DANIEL) 31 January 2002 (2002-01-31) paragraphs '0023!, '0029!, '0035!, '0036!, '0042!, '0043!, '0047!; figure 2 ---	1-4, 7
Y	GONNELLA N C ET AL: "DESIGN AND CONSTRUCTION OF A SIMPLE DOUBLE-TUNED SINGLE-INPUT SURFACE-COIL PROBE" JOURNAL OF MAGNETIC RESONANCE, ACADEMIC PRESS, ORLANDO, FL, US, vol. 85, no. 1, 15 October 1989 (1989-10-15), pages 24-34, XP000087257 ISSN: 1090-7807 see the whole document ---	6

## INTERNATIONAL SEARCH REPORT

International Application No  
PCT/GB2004/002182

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
US 5206592	A	27-04-1993	CA EP JP WO US	2109827 A1 0586583 A1 7502110 T 9221987 A1 5233300 A	10-12-1992 16-03-1994 02-03-1995 10-12-1992 03-08-1993
WO 9945409	A	10-09-1999	AU CA EP WO	3267999 A 2322500 A1 1060404 A1 9945409 A1	20-09-1999 10-09-1999 20-12-2000 10-09-1999
EP 1416291	A	06-05-2004	EP	1416291 A2	06-05-2004
US 6486838	B1	26-11-2002	AU EP WO	3267499 A 1060403 A1 9945408 A1	20-09-1999 20-12-2000 10-09-1999
US 2002011842	A1	31-01-2002	US US US US US	6294914 B1 6313631 B1 5675254 A 5433196 A 2001050554 A1 5682883 A	25-09-2001 06-11-2001 07-10-1997 18-07-1995 13-12-2001 04-11-1997